

**COMMERCIAL ALL WEATHER**

**OUTDOOR SPEAKER**

**OWNER'S MANUAL**



# OUTDOOR SPEAKERS

## IMPORTANT SAFETY INSTRUCTIONS

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

**WARNING:** To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.



**WARNING:** Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

## ABOUT YOUR KLIPSCH PURCHASE

Thank you for your purchase of Klipsch outdoor loudspeakers. After reading this manual and connecting your system, you will hear the result of over 55 years of stringent engineering and class-leading research and development. Like all Klipsch products, your outdoor loudspeakers feature Klipsch Tractrix® Horn-loaded Technology—the guiding design for the first Klipschorn® developed in 1946 and for every product that has followed. Horn-loading allows your speakers to deliver high sensitivity, low distortion, flat frequency response and wide dispersion, which translates to unequalled power, detail and dynamics, the hallmarks of “The Klipsch Sound.” Please be sure to fill out the warranty card at the back of this manual or online at [www.klipsch.com](http://www.klipsch.com) so we are better able to serve you. Again, thank you for choosing Klipsch and we hope that your speakers bring life to your music for many years.

## KLIPSCH CONTRACTOR ALL-WEATHER LOUDSPEAKERS

(CA-525T, CA-650T, CA-800T)

The Klipsch Reference All-Weather loudspeakers are two-way designs using a high performance bass driver for the low frequencies. A Tractrix Horn with a 90° x 90° coverage pattern is attached to a 1" diameter compression driver for clean and efficient reproduction of the high and midrange frequencies.

(CA-800-TSW)

The CA-800-TSW is an innovative approach that delivers low frequency sound in outdoor applications. This subwoofer has been designed to complement any of the indoor or CA speakers and deliver strong bass response in a variety of applications. It incorporates a built-in low-pass crossover that ensures a seamless blend between the subwoofer and the models used for high-frequency reproduction and allows for simple wiring configurations.

Klipsch Commercial All-Weather loudspeakers are constructed from UV-resistant, glass-reinforced polypropylene and are remarkably durable against the elements. They can be painted to match any trim or siding color.

## PLACEMENT

The Commercial All-Weather models are perfect for patios, decks, swimming pools, porches or any other place where exposure to the elements makes conventional loudspeaker usage unsuitable.

(CA-525T, CA-650T, CA-800T)

To achieve the best performance from your speakers, place the pair on the same wall facing the listening area and space them six to fifteen feet apart. For a higher quality stereo image, angle down, or toe in, the speakers toward the primary listening area. This is especially important in installations that place the speakers well above ear level. Some additional bass will result if you place the speakers in a corner or near a wall. This provides greater bass coupling due to the additional reflected energy from the walls.

(CA-800-TSW)

The CA-800-TSW can be installed in a large variety of locations due to bass frequencies being less directional than high frequencies. You will achieve better results if it is installed in a corner or near a wall where additional energy can be reflected from the walls.

## WALL MOUNTING

Included with your speakers are "C" style mounting brackets constructed of weather-resistant, powder-coated zinc. These brackets attach to the speaker with the supplied low profile knobs that thread onto the top and bottom studs protruding from the cabinet. This allows the speaker to be angled to the left or right when mounted vertically, or up and down when mounted horizontally.

After determining the desired location and orientation of your speakers, remove the bracket from the loudspeaker and use it as a template to mark the location of the mounting holes. Check the alignment of the holes with a torpedo level before drilling the pilot hole. Use #10-12 2.5" – 3" long pan head screws to attach the bracket into a wall stud. Affix the speaker to the bracket with the supplied knobs. Be sure to leave enough clearance between the end of the bracket and any adjacent wall or ceiling for installation of the knobs.

If a wall stud is not available, use the appropriate type of drywall or masonry anchor to support the weight of the speaker, allowing for a generous safety margin. Please consult your dealer, custom installer or building contractor in these situations.

You may also use an optional wall or ceiling mount that will fit the provided 3/8" – 1/6 inserts. Please see your authorized Klipsch dealer to see which model is right for you.



## CONNECTIONS

The CA-525T, CA-650T, CA-800T and CA-800TSW include a multi-tap transformer for 70 or 100 volt installations. There is also a bypass position that allows normal 8 ohm operation for installations that do not require a transformer. The switch is on the back of the speaker and can be set using a small flat head screwdriver. Make the appropriate tap selection as indicated below:

CA-525T (Transformer Power Rating: 30W)  
70V: 30W, 15W, 7.5W, 3.7W, 1.7W  
100V: 30W, 15W, 7.5W, 3.7W  
Bypass Position: 8 ohm Nominal

CA-650T / CA-800T / CA-800TSW (Transformer Power Rating: 60W)  
70V: 60W, 30W, 15W, 7.5W, 3.7W  
100V: 60W, 30W, 15W, 7.5W  
Bypass Position: 8 ohm Nominal

When making any type of speaker wire connection, be sure to observe proper polarity. Most speaker wire and connectors are color-coded. Typically, red is positive (+) and black is negative (-), or ground. It does not matter which wire conductor is connected to the positive or negative connection of your equipment as long as it is consistent.

## BUT FIRST: TYPES OF CONNECTORS

Your speaker is equipped with barrier strip connectors for inputs. Make sure that there is no metal-to-metal contact between the two lugs. Failure to observe this precaution at either end of the connection can result in amplifier malfunction or damage.

An optional Weatherization and Safety kit is available from your Klipsch dealer. You may want to install this in instances where the speaker connections are directly exposed to the elements. This kit also includes a security cable that provides a secondary measure of safety.

## PAINTING

The grille and cabinet of your speakers may be painted. For best results, lightly sand all surfaces to be painted (cabinet and grille) with 300-400 grit sandpaper. Wash these surfaces with a moistened cloth dipped into a mild detergent to remove any fingerprints or grease. Allow speaker to dry before painting.

Care must be taken to mask off the front of the speaker to protect the tweeter, woofer and front panel from overspray. This will maintain the existing uniform dark color behind the grille and protect the woofer and tweeter from being damaged by the paint. Affix masking tape to the inboard wall of the grille groove and attach plastic or newspaper to the tape to cover the entire front panel of the speaker. Also before painting, mask the speaker wire barrier strips on the rear of the cabinet to preserve their conductivity.

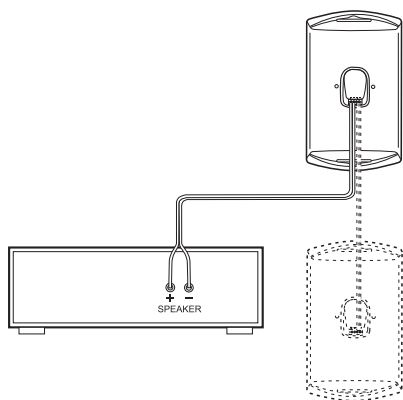
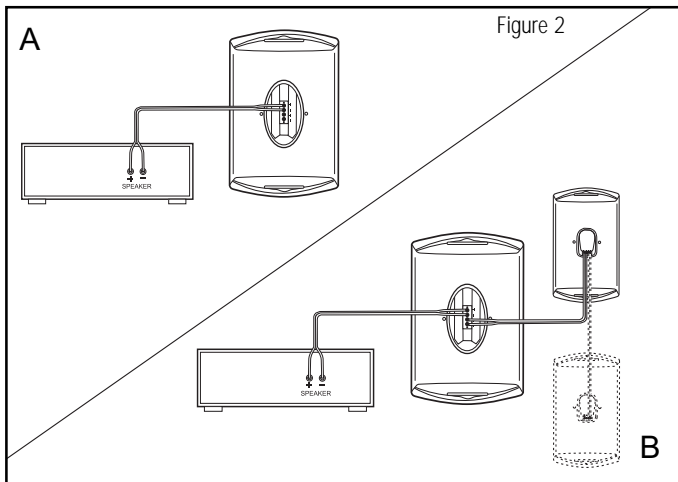


Figure 1

Remove the grille before painting. For best results, use several light coats of paint instead of one heavy coat. This will help prevent the perforations in the grille from becoming clogged with paint.



## WARRANTY—U.S. AND CANADA ONLY

The Warranty below is valid only for sales to consumers in the United States or Canada.

KLIPSCH, L.L.C. ("KLIPSCH") warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below) for a period of five (5) years from the date of purchase. During the Warranty period, KLIPSCH will repair or replace (at KLIPSCH's option) this product or any defective parts (excluding electronics and amplifiers). For products that have electronics or amplifiers, the Warranty on those parts is for a period of two (2) years from the date of purchase.

To obtain Warranty service, please contact the KLIPSCH authorized dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your KLIPSCH product, it can be returned, freight paid, to KLIPSCH for repair. Please call KLIPSCH at 1-800-KLIPSCH for instructions. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the Warranty period, must be presented or included to obtain Warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a KLIPSCH authorized dealer. You may call 1-800-KLIPSCH to confirm that you have an unaltered serial number and/or you purchased from a KLIPSCH authorized dealer.

This Warranty is only valid for the original purchaser and will automatically terminate prior to expiration if this product is sold or otherwise transferred to another party.

This Warranty does not cover cosmetic damage or damage due to misuse, abuse, negligence, acts of God, accident, commercial use or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than KLIPSCH or a KLIPSCH dealer which is authorized to do KLIPSCH warranty work. Any unauthorized repairs will void this Warranty. This Warranty does not cover product sold AS IS or WITH ALL FAULTS.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. KLIPSCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

Some states do not allow the exclusion or limitation of incidental or consequential damages or

# OUTDOOR SPEAKERS

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implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

## WARRANTY OUTSIDE THE UNITED STATES AND CANADA

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The Warranty on this product if it is sold to a consumer outside of the United States or Canada shall comply with applicable law and shall be the sole responsibility of the distributor that supplied this product. To obtain any applicable warranty service, please contact the dealer from which you purchased this product, or the distributor that supplied this product.